

Notice of Allowability

Application No.

10/517,593

Applicant(s)

OIDE, EISUKE

Examiner

Art Unit

Igor Kershteyn

3745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 12/13/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3/30/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Peter Veytsman (Reg. No. 45,920) on March 30, 2006.

The application has been amended as follows:

IN THE CLAIMS:

In claim 1, line 24, "is capable of" has been changed to --, when operating, is--,

In claim 1, line 26, "capable of" has been changed to --, the converting mechanism, when operating, is--.

The above changes to the claims have been made to exclude optional language from the claims.

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The instant invention is deemed to be directed to an unobvious improvement to a hydraulic tool over U.S. Patent No. 5,272,811 which teaches a hydraulic tool 1 comprising: an electric motor 7 having a grip resembling a pistol grip; a main casing having a back end connected to the electric motor 7, and internally provided with a

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working fluid tank containing a working fluid, a hydraulic power generating mechanism driven by the electric motor 7 to pressurize the working fluid contained in the working fluid tank, a cylinder actuator including a piston 11 to be axially moved by the pressurized working fluid and a piston rod connected to the piston 11, a hydraulic circuit connecting the hydraulic power generating mechanism and the cylinder actuator and having a supply passage 15 for carrying the working fluid into a front pressure chamber on the front side 11a of the piston 10 or a back pressure chamber on the back side 11b of the piston 10 and return passages 19 for carrying the working fluid back into the working fluid tank, and a spool valve 10 placed in the hydraulic circuit to set the hydraulic circuit in a state for supplying the working fluid into either of the front or the back pressure chamber; and a working tool 3 connected to a front part of the main casing and capable of being operated by the sliding piston rod; wherein the spool valve 10 is supported so as to be able to slide in directions perpendicular to the piston rod.

The improvement comprises a cylindrical grip handle to be gripped by one of operator's hands is attached to the outer surface of the main casing so as to extend parallel to the piston rod, the grip handle, when operating, is being turned about its own axis, and the spool valve and the grip handle are interlocked by a motion converting mechanism, the converting mechanism, when operating, is converting a turning motion of the grip handle into a sliding motion of the spool valve.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art

Prior art made of record but not relied upon is considered pertinent to Applicant's disclosure and consist of six patents.

Johnson et al. (2,446,011) is cited to show a hydraulic tool having a cylinder and a valve but fails to teach an electric motor.

Hurst et al. (3,819,153) is cited to show a hydraulic tool having a cylinder and a valve but fails to teach an electric motor.

Araki et al. (5,209,153) is cited to show a hydraulic tool having an electric motor, a pump, a cylinder and a hydraulic valve but fails to teach a grip handle interlocked with the valve.

Vogelsander (5,953,822) is cited to show a hydraulic tool having an electric motor, a pump, a cylinder and a hydraulic valve but fails to teach the valve having a spool disposed perpendicular to the cylinder and a cylindrical grip handle interlocked with the valve.

Kimura (6,457,243) is cited to show a hydraulic tool having an electric motor, a pump, a cylinder and a hydraulic valve but fails to teach a grip handle interlocked with the valve spool.

Hirabayashi et al. (Des.386,661) is cited to show a hydraulic tool but fails to teach a valve having a spool disposed perpendicular to a cylinder and a cylindrical grip handle interlocked with the valve.

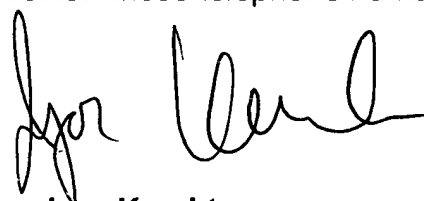
Contact information

Any inquiry concerning this communication or earlier communication's from the examiner should be directed to Examiner Kershteyn whose telephone number is **(571)272-4817**. The examiner can be reached on Monday-Friday from 8:00 a.m. to 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look, can be reached on **(571)272-4820**. The fax number is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308 0861.

IK
March 30, 2006



**Igor Kershteyn
Patent examiner.
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